



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Frank B. Simpson

Serial No.: 10/615,072

Filed: 7/8/03

For: Wrap Spring Clutch Syringe Ram And Frit Mixer

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

Applicant hereby cites the documents listed in accompanying Form PTO-1449 with respect to the above-referenced patent application under the provisions of 37 C.F.R., Sections 1.56, 1.97 and 1.98. Copies of the documents are attached.

The filing of this Information Disclosure Statement will not be construed to mean that a search was conducted or that no other material information, as defined by 37 C.F.R. 1.56, exists.

The Examiner is respectfully requested to make the listed documents of record in connection with the prosecution of the subject application.

CERTIFICATE OF MAILING

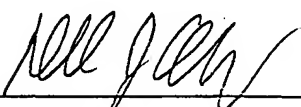
The below item(s) is enclosed with this letter for filing on/in the above-identified patent application:

1. Form PTO-1449, 7 pages
2. Copies of the patents listed on form "PTO-1449"

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on 7/25/03.

Donald J. Ersler, Reg. No. 38,753

(Name)

  
(Signature)

Form PTO-1449

Docket No. 1090

Application No. 10/615,072

INFORMATION DISCLOSURE CITATION IN AN APPLICATION  
(Use Several Sheets If Necessary)

Applicant: SIMPSON

Filing Date: 7/8/03

Group Art Unit

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

①	Dexter Northrop and Frank Simpson, kinetics of Enzymes with Isomechanisms: Britton Induced... 4/15/98, p. 290 & 2nd column.
②	H. Hartnidge and F.J.W. Roughton, A method of Measuring the Velocity of Very Rapid Chemical Reactions 1923, p. 378-382.
③	H. Gutfreund, Rapid Mixing: Continuous Flow, 1969, p. 236-239, Figures 3A & 3B.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MFEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

	(4)	R.C. Bray, Sudden Freezing as a Technique for the study of Rapid Reactions, 1961 page 190 column 1, through p 193. Figs 1, 2, 3.
	(5)	David P. Ballou, Instrumentation for the study of rapid biological oxidation-reduction reactions by EPR and Optical Spectroscopy, 1971, pages 2-7, 8, 13-14, 15, 19-20, 21-53, 214-216, 240.

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⑥	Update Instruments, Web page: <a href="http://www.updateinstrument.com/rapid-mixing-equipment.htm">http://www.updateinstrument.com/rapid-mixing-equipment.htm</a> , page 1 of 1.
⑦	Harvard Apparatus, Inc., web page: <a href="http://www.harvardapparatus.com/pdf/files/b2k-a014.pdf">http://www.harvardapparatus.com/pdf/files/b2k-a014.pdf</a> , page A14.
⑧	Bio-Logic-Scientific Instruments SA, web page: <a href="http://www.bio-logic.fr/rapid-kinetics/gtm20.html">http://www.bio-logic.fr/rapid-kinetics/gtm20.html</a> , pages 1, 2, 3.

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## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

⑨	Warner/PSE/Danaher, web pages: <a href="http://www.danahermcg.com/prod/brakes.asp">http://www.danahermcg.com/prod/brakes.asp</a> , page 1
	<a href="http://www.danahermcg.com/prod/linear.asp">http://www.danahermcg.com/prod/linear.asp</a> , page 1
	<a href="http://www.globallinear.com/main.htm">http://www.globallinear.com/main.htm</a> , page 1
	<a href="http://www.globallinear.com/prod.htm">http://www.globallinear.com/prod.htm</a> , page 1

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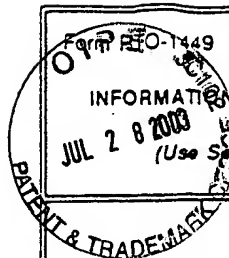
	(10)	OLIS Inc., web site; <a href="http://www.olisweb.com">http://www.olisweb.com</a>
	(11)	KinTek Corporation, web pages;
		<a href="http://www.kintek-corp.com">http://www.kintek-corp.com</a> , pages 1-2
		<a href="http://www.kintek-corp.com/rqf3.htm">http://www.kintek-corp.com/rqf3.htm</a> , pages 1, 2, 3, 4 of 6 pages
		<a href="http://www.kintek-corp.com/SF-2001.htm">http://www.kintek-corp.com/SF-2001.htm</a> pages 1, 2, 3, 4 of 6 pages.

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## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

	12 continued	<a href="http://www.hi-techsci.co.uk/scientific/frames/st61dx2.html">http://www.hi-techsci.co.uk/scientific/frames/st61dx2.html</a>
		pages 1 & 2 of 3 pages.

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	(12)	Hi-Tech Scientific, web pages:
		<a href="http://www.hi-techsci.co.uk">http://www.hi-techsci.co.uk</a> , page 1
		<a href="http://www.hi-techsci.co.uk/scientific/noframes/homepage.html">http://www.hi-techsci.co.uk/scientific/noframes/homepage.html</a> , page 1 of 2 pages
		<a href="http://www.hi-techsci.co.uk/scientific/noframes/products.html">http://www.hi-techsci.co.uk/scientific/noframes/products.html</a> , pages 1 & 2.
		<a href="http://www.hi-techsci.co.uk/scientific/noframes/r8f63.html">http://www.hi-techsci.co.uk/scientific/noframes/r8f63.html</a> , pages 1 & 2.

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